

1/8

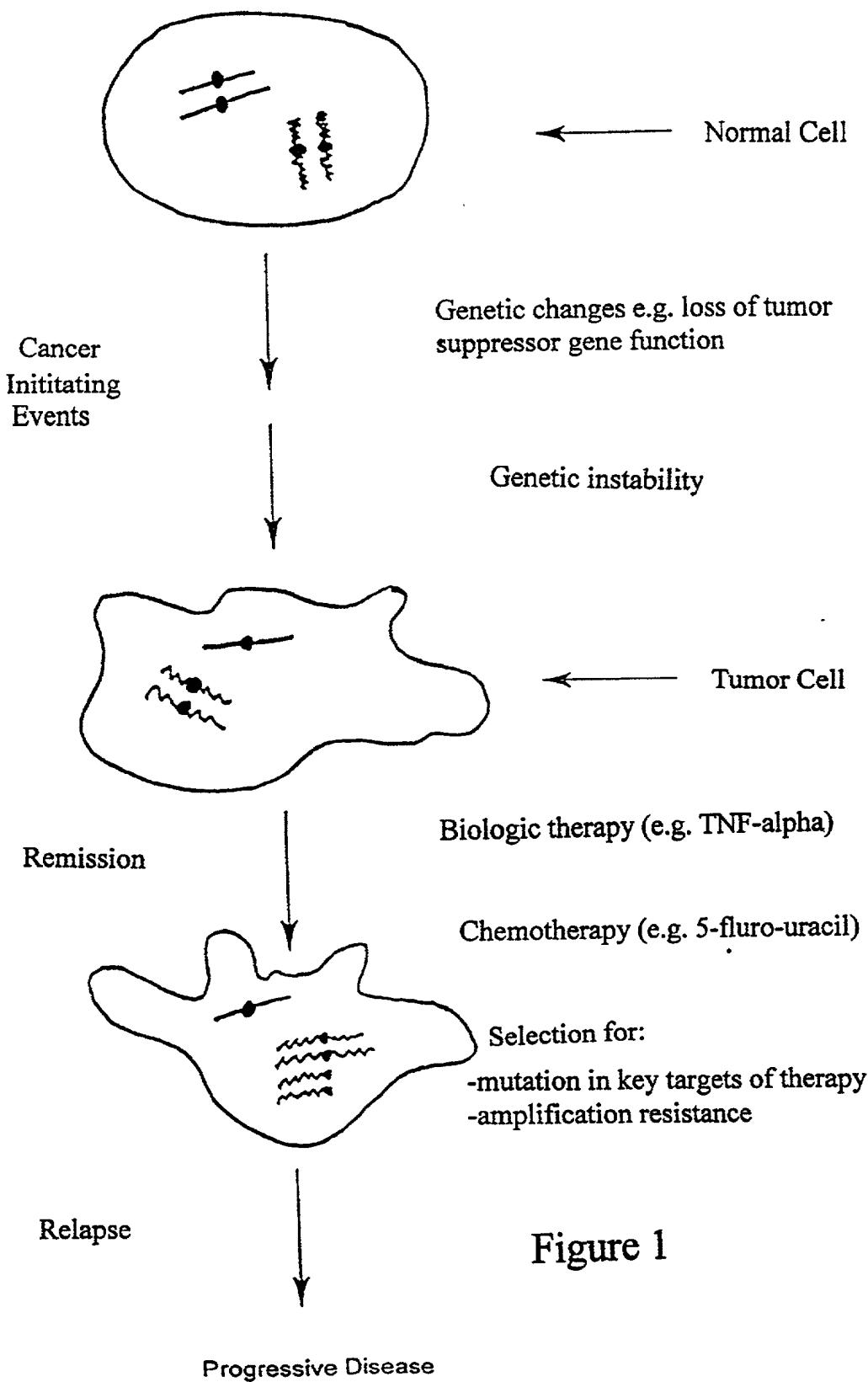


Figure 1

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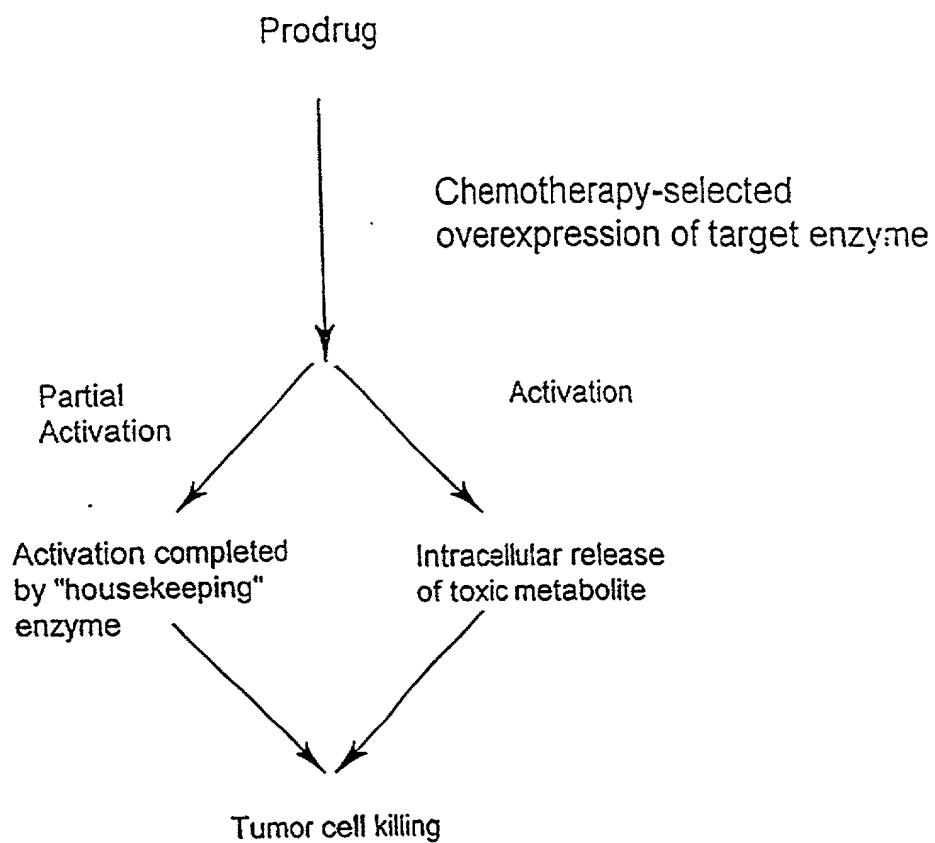
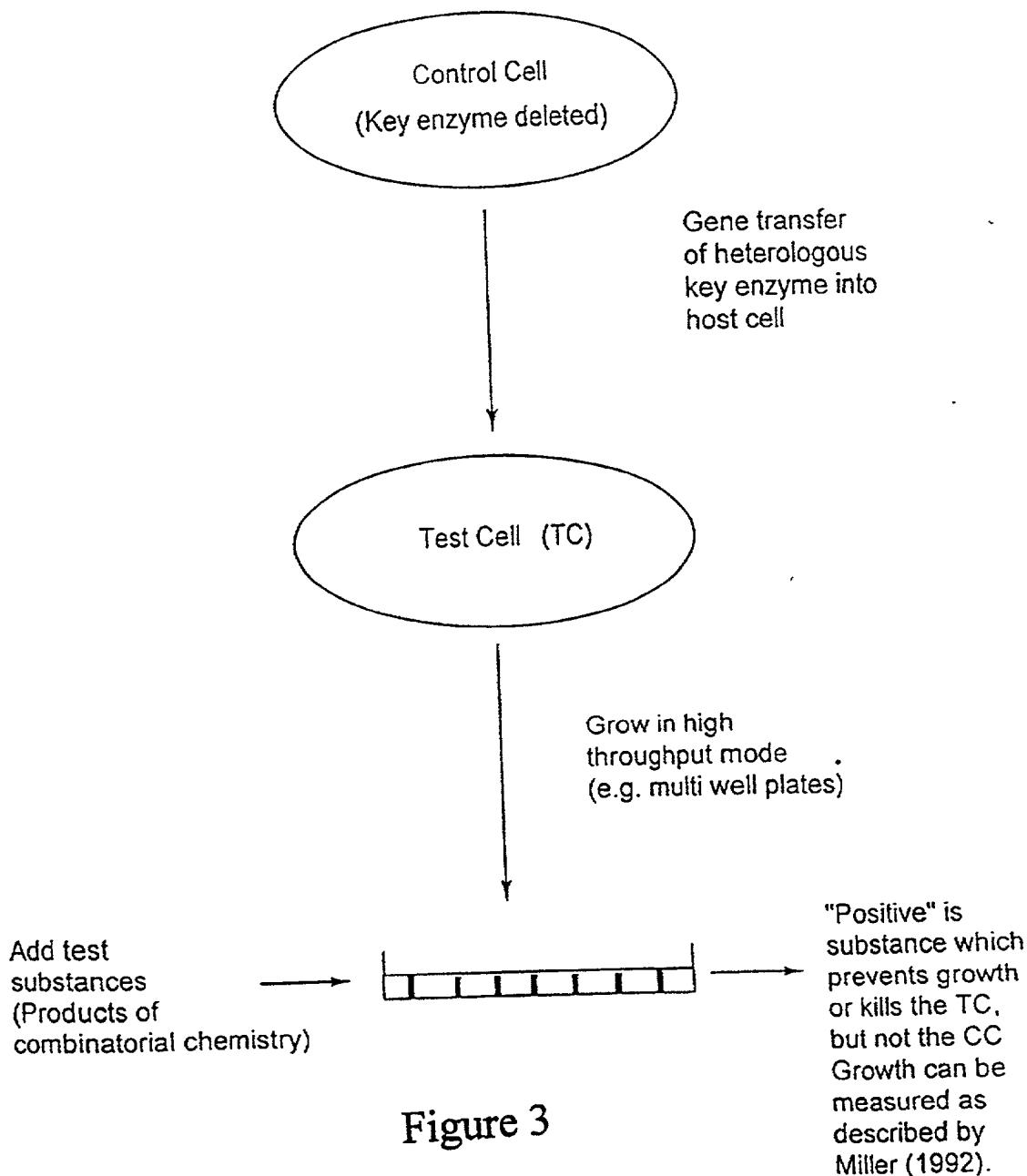


Figure 2

General Schematic of the High Throughput Screen of Novel Prodrug Including Anticancer Prodrugs



How to find a TS lead molecule: Design of the High Throughput Screen
e.g., Using Thymidylate Synthase as the Target Enzyme

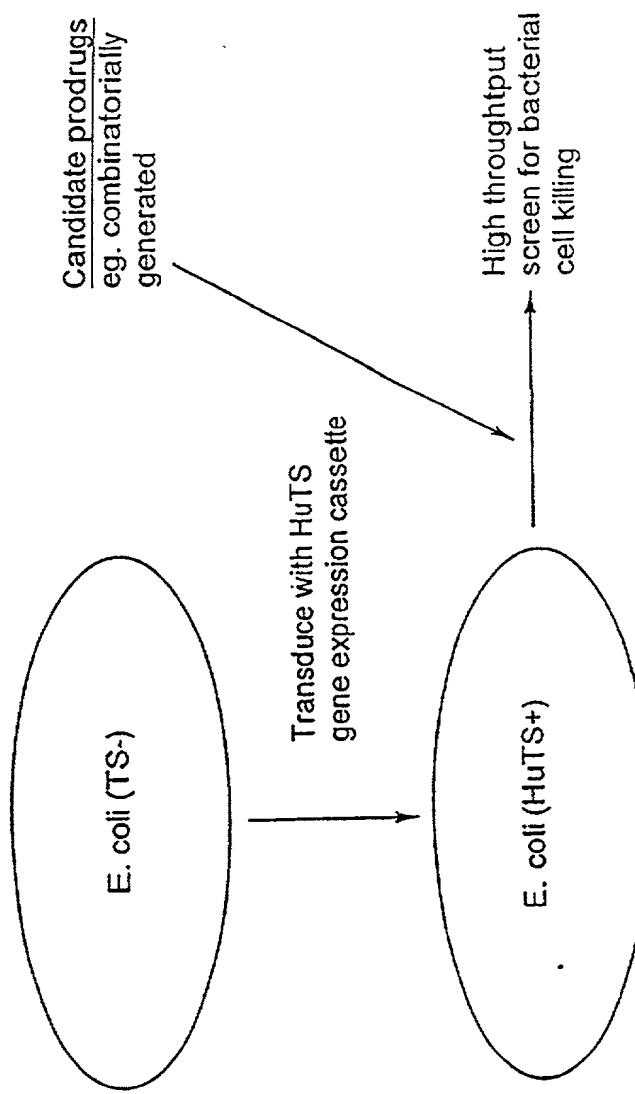


Figure 4

How to find a TS lead molecule: Replacement of two enzymes,
e.g., Thymidylate Synthase (TS) and Thymidine Kinase (TK)

5/8

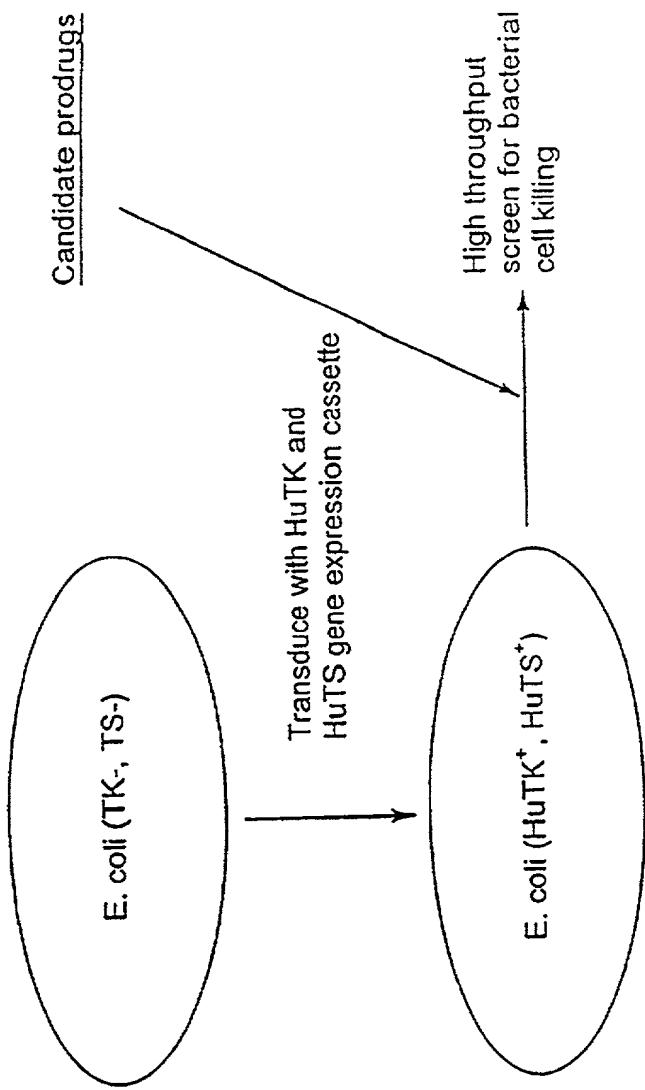


Figure 5

6/8

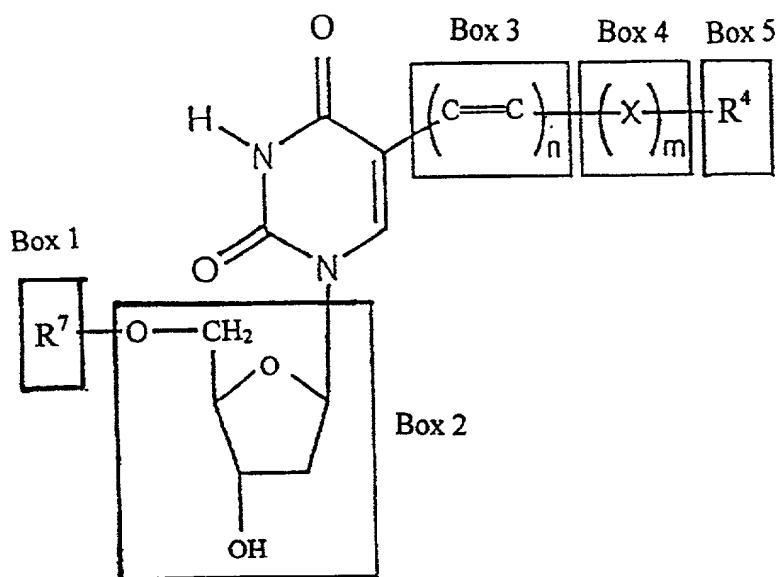


Figure 6

7/8

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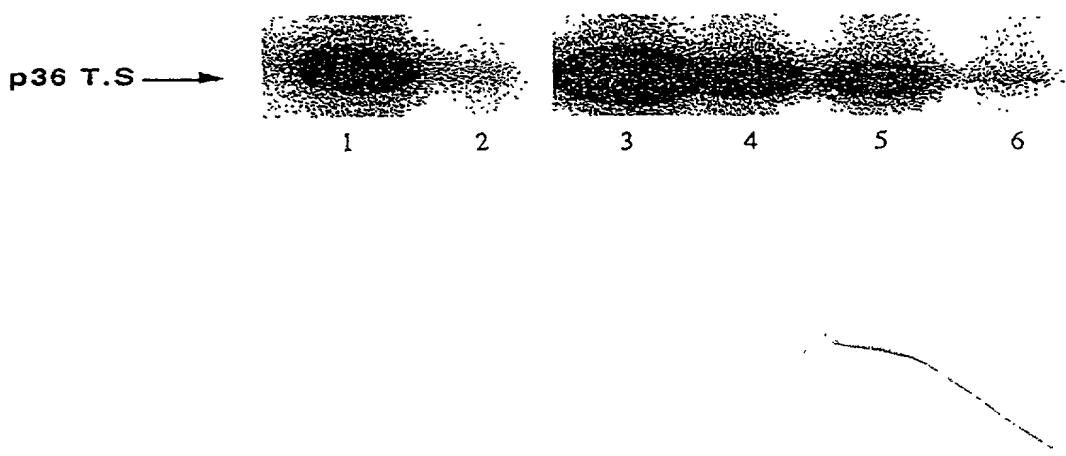


Figure 7

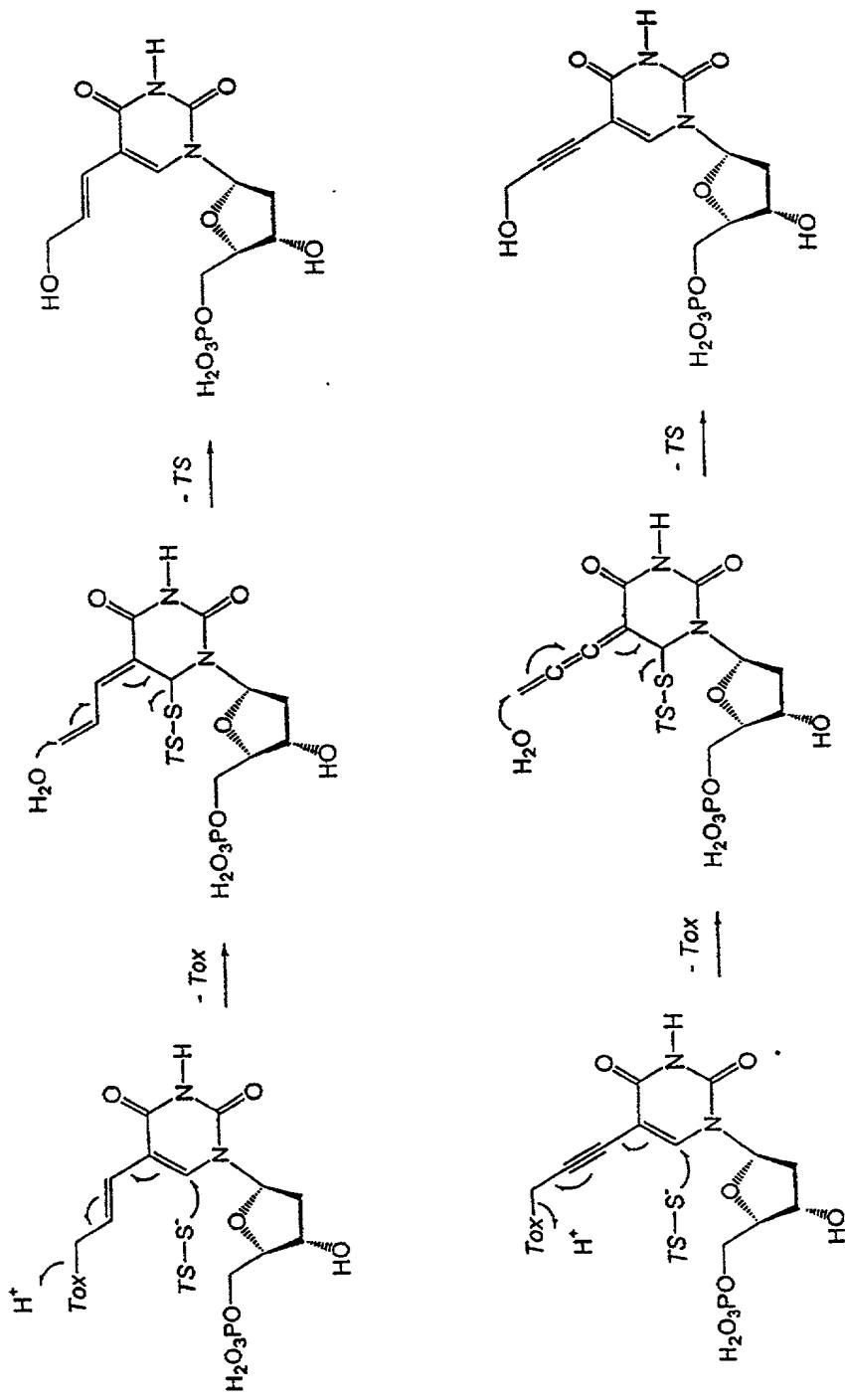


Figure 8